

DBI Rabbit pAb

Catalog No.: A27896

Basic Information

Observed MW

12 kDa

Calculated MW

10-12 kDa

Category

Primary antibody

Applications

WB,IF-P,IHC-P,ELISA

Cross-Reactivity

Mouse, Rat

Background

Predicted to enable benzodiazepine receptor binding activity; identical protein binding activity; and long-chain fatty acyl-CoA binding activity. Acts upstream of or within several processes, including behavioral fear response; lateral ventricle development; and long-term synaptic potentiation. Located in mitochondrion. Is expressed in brain and early conceptus. Human ortholog(s) of this gene implicated in alcohol dependence. Orthologous to human DBI (diazepam binding inhibitor, acyl-CoA binding protein).

Recommended Dilutions

WB 1:3000 - 1:12000

IF-P 1:100 - 1:300

IHC-P 1:300 - 1:1200

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

13167

Swiss Prot

P31786

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

EP; Acbp; ACBD1; endozepine

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

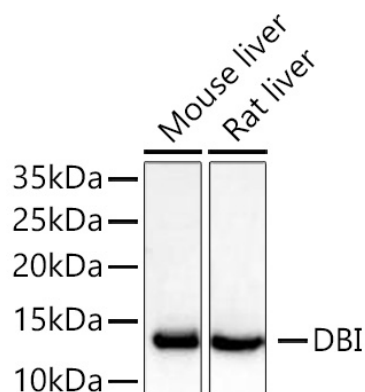
Affinity purification

Storage

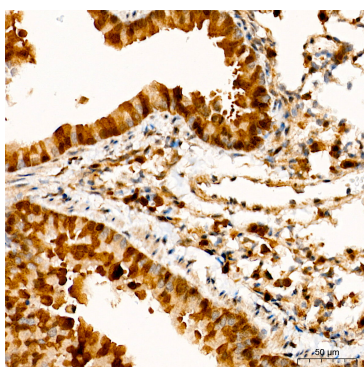
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

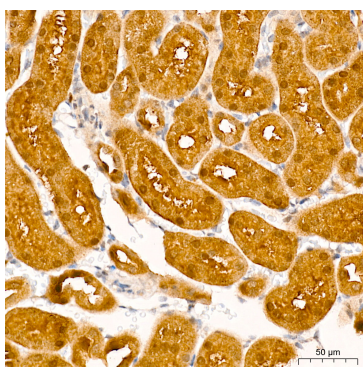
Validation Data



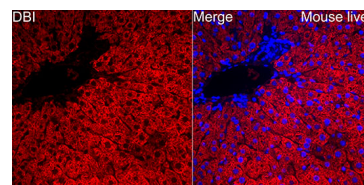
Western blot analysis of various lysates using DBI Rabbit pAb (A27896) at 1:3000 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 10s.



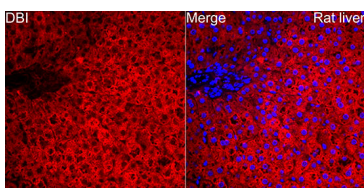
Immunohistochemistry analysis of paraffin-embedded Mouse lung tissue using DBI Rabbit pAb (A27896) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using DBI Rabbit pAb (A27896) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunofluorescence analysis of Mouse liver tissue using DBI Rabbit pAb (A27896) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.



Immunofluorescence analysis of Rat liver tissue using DBI Rabbit pAb (A27896) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.